

## **CAM CELLS AND DIFFERENTIAL SENSE CIRCUITS FOR CONTENT ADDRESSABLE MEMORY (CAM)**

### **ABSTRACT OF THE DISCLOSURE**

[213] A Ternary content addressable memory (TCAM) device contain an array differential TCAM cells and a column dummy differential TCAM to enable or disable each corresponding row TCAM cells to compare or not to compare with the input data.

A method of sensing the logic state of match or mismatch through comparing the voltage difference of match line and dummy line are presented .